

**Name:** Demetrio P. Zourarakis, Ph.D.  
**Job Title:** Remote Sensing/GIS Analyst

**Specific Responsibilities:** Technical Lead for the Kentucky Landscape Snapshot (KLS), Kentucky Landscape Census (KLC) and Kentucky Watershed Modeling Information Portal (KWMIP) Projects

His duties include the pre- and post-processing, the quality assurance/quality control of digital imagery, and the derivation of geospatial data layers for distribution to the Commonwealth. Specifically, he reviews the data products from the Kentucky Landscape Snapshot (i.e. multispectral imagery, land cover and land cover change layers) and is involved with the development and review of change detection layers and tools in the Kentucky Landscape Census Project. He reviews and oversees the data issues and their interactions with hydrologic modeling capabilities in KWMIP. Demetrio serves as DGI's liaison to post-secondary institutions, also playing a central role in providing outreach and training to other government, education, academic, and private sector stakeholders, facilitating the dissemination and utilization of DGI's remote sensed data products by and to Kentuckians.



**Past Experience:**

Following his post-doctoral associate work at the University of Kentucky, Demetrio commenced work for the Division of Conservation (NREPC) in 1994. In 1998 he transitioned to a geoprocessing position at the Office of Information Services (NREPC), returning to the Division of Conservation as a geoprocessing specialist, with emphasis in natural resource and environmental management geospatial analysis. In 2004, he transferred to the Division of Geographic Information, as technical lead and data analyst to the KLS, KLC and KWMIP projects.

**Professional Memberships:**

He is a member of the Kentucky Association of Mapping Professionals, the Soil and Water Conservation Society and the Kentucky Academy of Science.

**Education:**

Demetrio graduated from the University of Kentucky with a PhD in soil science and plant physiology, from Iowa State University with an MS in soil fertility and from the University of Buenos Aires, Argentina, with a BS in Agronomy, specializing in production agriculture. In addition, he has been taking certified courses featuring specialized, geospatial and numerical data management and analysis software and techniques for the last decade.